I CLAIM:

1. A tire rim temperature sensor comprising:
   a wheel weight format housing having a rim temperature sensor therein;
   a clip on the housing suited for mounting on a wheel rim; and
   the sensor including a transmitter to send a temperature signal remotely.
2. The sensor of claim 1 further comprising a battery.
3. The sensor of claim 2, wherein the battery can be replaced without a removal of a tire affixed to the rim.
4. The sensor of claim 3 further comprising a signal conditioning unit, a processor unit, a memory and an antenna.
5. The sensor of claim 4 further comprising a receiver.
6. The sensor of claim 4, wherein the memory further comprises a unit identifying code.
7. A tire rim temperature sensor comprising:
   a housing mountable to a surface of a tire rim;
   a rim temperature sensor incorporated into the housing; and
   a transmitter to send a temperature signal remotely.
8. The sensor of claim 7 further comprising a weld attachment to a rim.

9. The sensor of claim 7 further comprising a bond attachment to a rim.

10. The sensor of claim 7 further comprising an attachment to an inside a tire surface of the rim.

11. The sensor of claim 10 further comprising an air temperature sensor.

12. The sensor of claim 10 further comprising a tire air pressure sensor.

13. A tire rim temperature sensor comprising:

a housing suited to fit into a hole in a tire rim;

a rim temperature sensor associated with the housing; and

a transmitter associated with the housing.

14. The sensor of claim 13 further comprising an air temperature sensor.

15. The sensor of claim 13 further comprising a tire air pressure sensor.

16. A method to detect a high temperature tire condition, the method comprising the steps of:

affixing a rim temperature sensor to a tire rim;

receiving a temperature signal form the sensor; and

processing the rim temperature signal to determine an alarm condition.

17. The method of claim 16 further comprising the steps of:

receiving a plurality of temperature signals from a plurality of tire rims, each tire rim having a rim temperature sensor; and

comparing the relative tire rim temperatures to determine an alarm condition.

18. The method of claim 16 further comprising the step of comparing the temperature signal to a stored constant to determine the alarm condition.

19. The method of claim 16 further comprising the step of comparing the temperature signal to a historic log to determine the alarm condition.

20. A tire safety alarm system comprising:

a rim temperature sensor on each tire rim of a vehicle;

said rim temperature sensors having a transmitter to send a temperature signal to an on board computer;

said on board computer having alarm logic including a comparative tire rim temperature algorithm; and

wherein any tire rim that overheats triggers an alarm.